

## ATPK rabbit pAb

<b>Catalog No :</b>	YT6784
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF
<b>Target :</b>	ATPK
<b>Fields :</b>	>>Oxidative phosphorylation;>>Metabolic pathways;>>Thermogenesis
<b>Gene Name :</b>	ATP5J2 ATP5JL
<b>Protein Name :</b>	ATPK
<b>Human Gene Id :</b>	9551
<b>Human Swiss Prot No :</b>	P56134
<b>Mouse Gene Id :</b>	57423
<b>Mouse Swiss Prot No :</b>	P56135
<b>Rat Gene Id :</b>	690441
<b>Rat Swiss Prot No :</b>	D3ZAF6
<b>Immunogen :</b>	Synthesized peptide derived from human ATPK AA range: 38-88
<b>Specificity :</b>	This antibody detects endogenous levels of ATPK at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:50-200. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

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**Molecularweight :** 10kD

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**Background :** Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, which comprises the proton channel. The catalytic portion of mitochondrial ATP synthase consists of five different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the f subunit of the F<sub>o</sub> complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has multiple pseudogenes. Naturally occurring read-through transcription also exists between this gene and the downstream pentatricopeptide repeat domain 1 (PTCD1) gene. [provided by RefSeq, Nov 2010],

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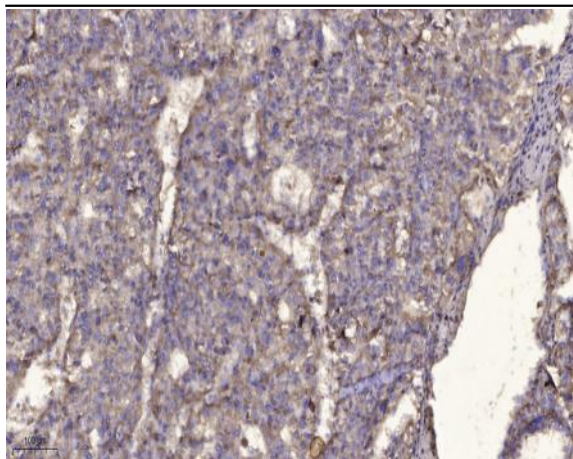
**Function :** caution: The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data., function: Mitochondrial membrane ATP synthase (F<sub>1</sub>)F<sub>0</sub> ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. Minor subunit located with subunit a in the membrane., similarity: Belongs to the ATPase F chain family., subunit: F-type ATPases hav

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**Subcellular Location :** Mitochondrion. Mitochondrion inner membrane ; Single-pass membrane protein .

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## Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).